760211664 | Z-048-CN-RB-F12NS/5X/99F



Fiber indoor/outdoor Cable, LSZH Riser All-Dielectric Central Tube Ribbon, Multimode OM4 bend insensitive, 48-fiber, feet jacket marking, black jacket color

Product Classification

| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
|------------------------------|--|
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | Z-CN |
| General Specifications | |
| Cable Type | Ribbon central tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Fibers per Ribbon, quantity | 12 |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Total Fiber Count | 48 |
| Dimensions | |
| Buffer Tube/Subunit Diameter | 6 mm 0.236 in |
| Diameter Over Jacket | 13 mm 0.512 in |
| Poprocontativo Imago | |

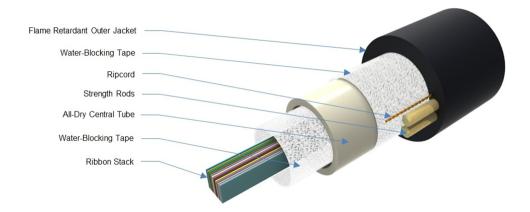
Representative Image

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Mechanical Specifications

| Minimum Bend Radius, loaded | 259.1 mm 10.201 in |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded | 129.5 mm 5.098 in |
| Tensile Load, long term, maximum | 800 N 179.847 lbf |
| Tensile Load, short term, maximum | 2670 N 600.24 lbf |
| Compression | 22 N/mm 125.623 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 25 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 2.94 N-m 26.021 in lb |
| Impact Test Method | FOTP-25 IEC 60794-1 E4 |
| Strain | See long and short term tensile loads |
| Strain Test Method | FOTP-33 IEC 60794-1 E1 |
| Twist | 10 cycles |
| Twist Test Method | FOTP-85 IEC 60794-1 E7 |
| Optical Specifications | |

Fiber Type

OM4, bend insensitive | OM4, bend insensitive

Environmental Specifications

| Installation temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
|--------------------------|--------------------------------------|
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |

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| Cable Qualification Standards | ANSI/ICEA S-104-696 Telcordia GR-20 Telcordia GR-409 |
|-------------------------------|---|
| Environmental Space | Aerial, lashed Buried Low Smoke Zero Halogen (LSZH) Riser |
| Flame Test Listing | NEC OFNR (UL) and c(UL) |
| Flame Test Method | UL 1666 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

| Heat Age | -40 °C to +85 °C (-40 °F to +185 °F) |
|-------------------------------|--------------------------------------|
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -30 °C to +60 °C (-22 °F to +140 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |

Packaging and Weights

| Cable weight |
|--------------|
|--------------|

193 kg/km | 129.69 lb/kft

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

Included Products

CS-5X-RB – 50µm OM4 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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